

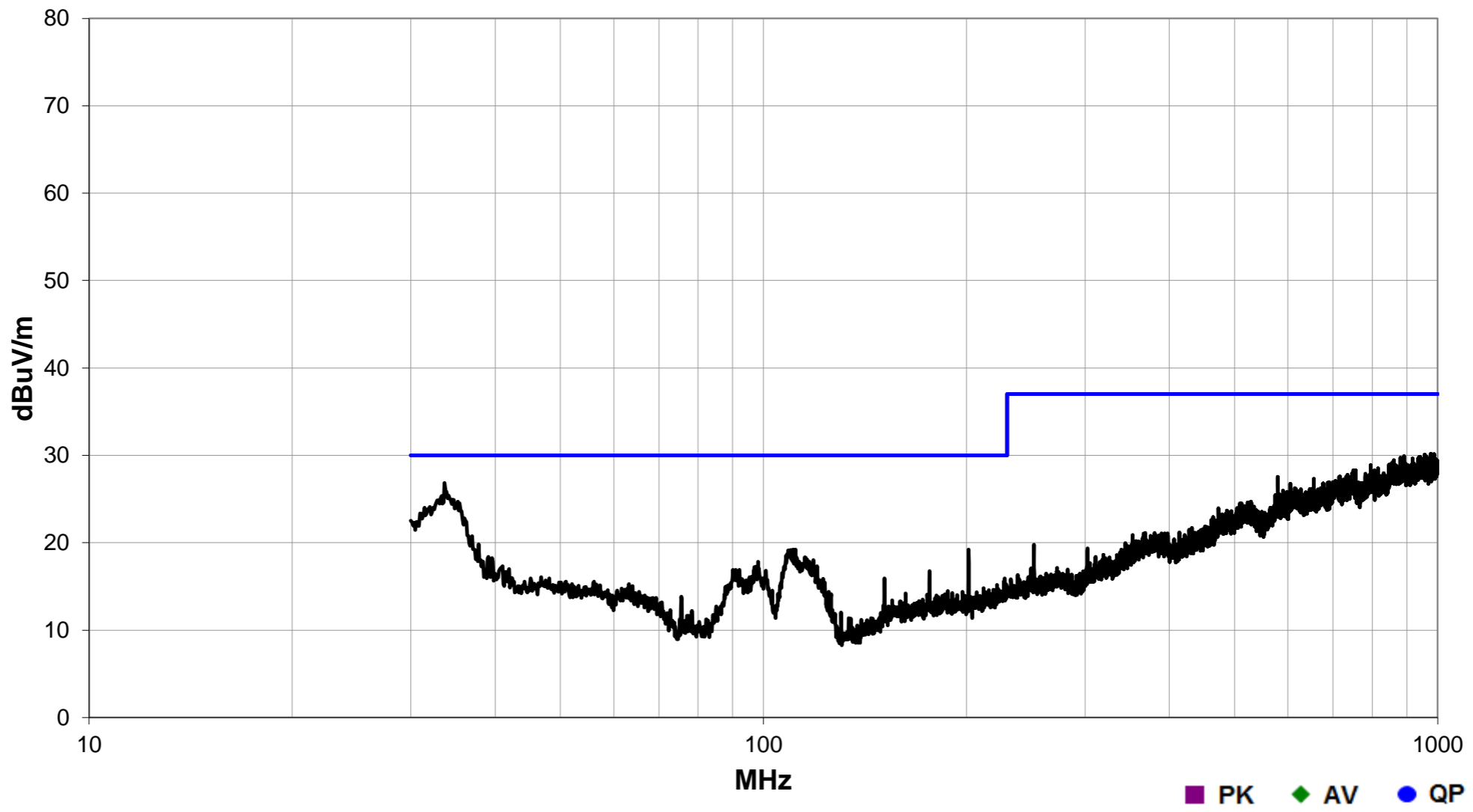
## G2H2 EMC Testing Results

The data that follows is from a test performed on a 5.7" G2H1-R module that has the same high speed characteristics as the G2H2. We expect the 7" G2H2-7R module to have very similar results.

<b>Work Order:</b>	REAC0010	<b>Date:</b>	04/24/14	
<b>Project:</b>	None	<b>Temperature:</b>	22.3 °C	
<b>Job Site:</b>	EV11	<b>Humidity:</b>	39.4% RH	
<b>Serial Number:</b>	003	<b>Barometric Pres.:</b>	1007 mbar	<b>Tested by:</b> Cole Ghizzone
<b>EUT:</b>	Hawthorn			
<b>Configuration:</b>	Unknown			
<b>Customer:</b>	Reach Technology Inc.			
<b>Attendees:</b>	Brent Larson, Jonathan Moore			
<b>EUT Power:</b>	110VAC/60Hz			
<b>Operating Mode:</b>	25.2 MHz pixel clock			
<b>Deviations:</b>	None			
<b>Comments:</b>	Original configuration 25.2 MHz clock, no massive ferrite on the power cord, removed shield on power cable, ferrite beads on L13, L4 improved, added ferrite to power cable.			

Test Specifications	Class B	Test Method
EN 55011:2009 (Amended by A1:2010)		CISPR 11:2009 (Amended by A1:2010)

Run #	9	Test Distance (m)	10	Antenna Height(s)	1, 1.5, 2, 2.8, 3.8 (m)	Results		Evaluation	
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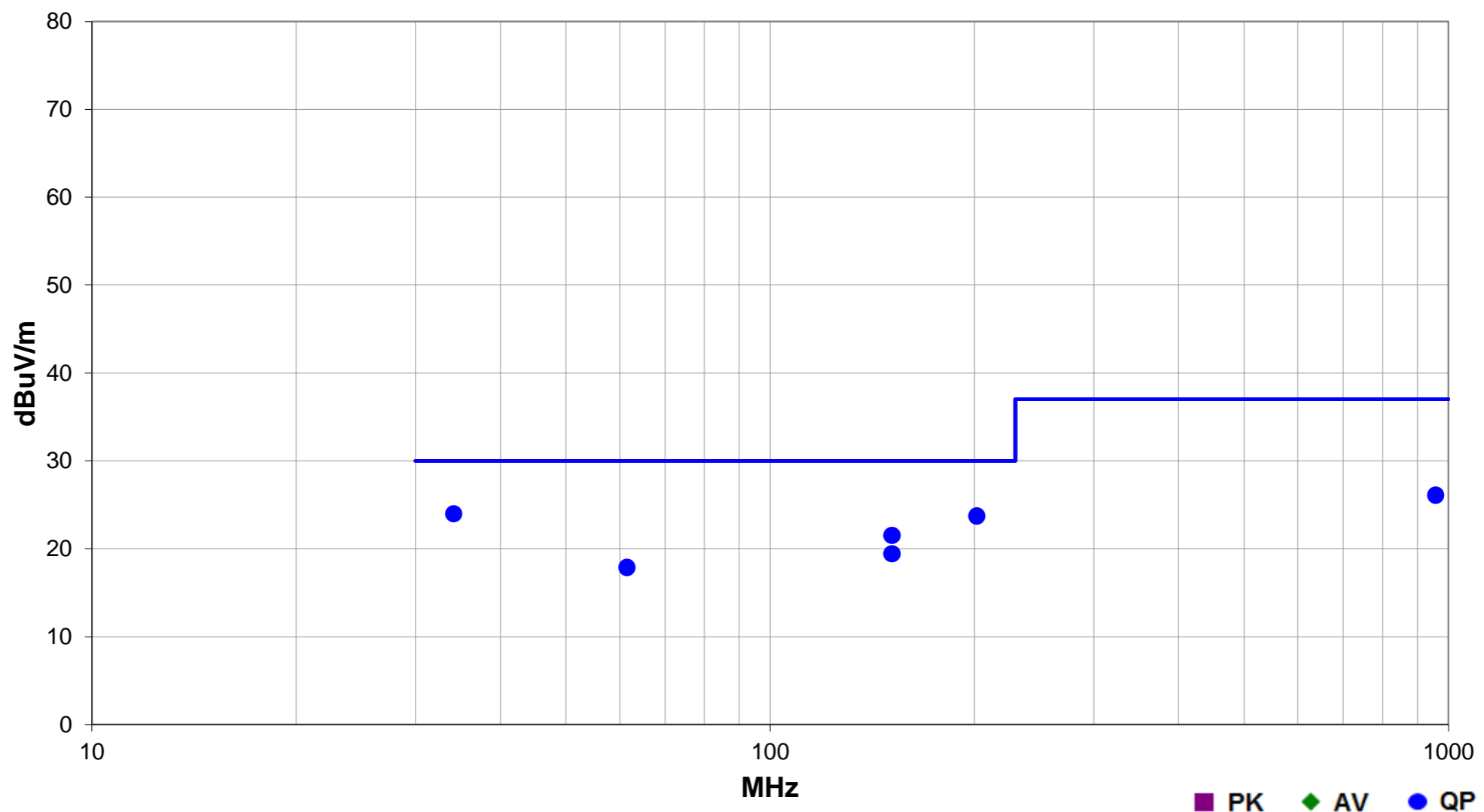
Freq (MHz)	Amplitude (dBuV)	Preamp (dB)	Antenna Height (meters)	Transducer (dB)	Cable (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)
33.671	47.2	42.0	1.5	21.1	0.6	0.0	Vert	PK	0.0	26.9	30.0	-3.1
977.739	37.8	40.9	2.0	29.4	3.9	0.0	Horz	PK	0.0	30.2	37.0	-6.8
988.396	37.4	40.7	2.0	29.6	3.9	0.0	Horz	PK	0.0	30.1	37.0	-6.9
956.663	37.6	41.1	1.0	29.7	3.9	0.0	Horz	PK	0.0	30.1	37.0	-6.9
957.492	37.5	41.1	1.5	29.7	3.9	0.0	Vert	PK	0.0	30.0	37.0	-7.0
892.012	38.0	41.8	1.0	29.9	3.9	0.0	Horz	PK	0.0	29.9	37.0	-7.1
963.057	37.4	41.0	2.0	29.6	3.9	0.0	Vert	PK	0.0	29.9	37.0	-7.1
880.763	38.1	41.8	1.5	29.6	3.8	0.0	Horz	PK	0.0	29.7	37.0	-7.3
918.062	38.1	41.6	2.0	29.2	3.9	0.0	Vert	PK	0.0	29.6	37.0	-7.4
861.699	37.9	41.8	3.8	29.6	3.7	0.0	Horz	PK	0.0	29.4	37.0	-7.6
858.739	37.6	41.8	1.5	29.7	3.7	0.0	Vert	PK	0.0	29.2	37.0	-7.8
893.433	37.3	41.8	1.0	29.8	3.9	0.0	Vert	PK	0.0	29.2	37.0	-7.8
795.983	38.5	41.8	1.0	28.6	3.6	0.0	Horz	PK	0.0	28.9	37.0	-8.1
816.349	38.6	41.8	3.8	28.1	3.6	0.0	Horz	PK	0.0	28.5	37.0	-8.5
755.961	38.8	41.7	2.8	27.7	3.5	0.0	Vert	PK	0.0	28.3	37.0	-8.7
750.040	37.9	41.7	2.8	28.6	3.5	0.0	Vert	PK	0.0	28.3	37.0	-8.7
806.284	38.2	41.8	1.5	28.3	3.6	0.0	Horz	PK	0.0	28.3	37.0	-8.7
799.890	37.7	41.8	1.5	28.6	3.6	0.0	Vert	PK	0.0	28.1	37.0	-8.9
781.182	38.2	41.8	1.5	27.9	3.6	0.0	Horz	PK	0.0	27.9	37.0	-9.1
735.121	38.3	41.7	3.8	27.7	3.5	0.0	Vert	PK	0.0	27.8	37.0	-9.2

## RADIATED EMISSIONS

<b>Work Order:</b>	REAC0010	<b>Date:</b>	04/24/14	
<b>Project:</b>	None	<b>Temperature:</b>	22.3 °C	
<b>Job Site:</b>	EV11	<b>Humidity:</b>	39.4% RH	
<b>Serial Number:</b>	004	<b>Barometric Pres.:</b>	1007 mbar	<b>Tested by:</b> Cole Ghizzone
<b>EUT:</b>	Hawthorn			
<b>Configuration:</b>	Unknown			
<b>Customer:</b>	Reach Technology Inc.			
<b>Attendees:</b>	Brent Larson, Jonathan Moore			
<b>EUT Power:</b>	110VAC/60Hz			
<b>Operating Mode:</b>	25.2 MHz pixel clock			
<b>Deviations:</b>	None			
<b>Comments:</b>	Original configuration 25.2 MHz clock, no massive ferrite on the power cord, removed shield on power cable			

<b>Test Specifications</b>	<b>Class B</b>	<b>Test Method</b>
EN 55011:2009 (Amended by A1:2010)		CISPR 11:2009 (Amended by A1:2010)

<b>Run #</b>	7	<b>Test Distance (m)</b>	10	<b>Antenna Height(s)</b>	1-4m	<b>Results</b>	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)
34.156	44.6	-20.6	1.2	104.0	10.0	0.0	Vert	QP	0.0	24.0	30.0	-6.0
201.613	46.7	-23.0	1.0	11.0	10.0	0.0	Vert	QP	0.0	23.7	30.0	-6.3
151.210	46.3	-24.8	1.5	347.0	10.0	0.0	Vert	QP	0.0	21.5	30.0	-8.5
151.210	44.2	-24.8	3.8	86.0	10.0	0.0	Horz	QP	0.0	19.4	30.0	-10.6
957.633	33.6	-7.5	1.2	-5.0	10.0	0.0	Vert	QP	0.0	26.1	37.0	-10.9
61.481	45.7	-27.8	2.0	57.0	10.0	0.0	Vert	QP	0.0	17.9	30.0	-12.1